

**SAS Superstructure**

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 19-Nov-14

Time 5:49 PM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 098 Const Calendar Day: 315 Date: 20-Jul-2010 Tuesday

Inspector Name: Bruce, Matt Title: Transportation Engineer

Inspection Type: Continuous

Shift Hours: 06:30 am 03:00 pm Break: 00:30 Over Time:

Federal ID:

Location:

Reviewer: Mathur, Lalit Approved Date: 24-Jan-11 Status: Approved

**04-0120F4
04-SF-80-13.2/13.9
Self-Anchored
Suspension Bridge****Weather****Temperature** 7 AM 50 - 60 12 PM 50 - 60 4PM 50 - 60**Precipitation** 0.00"**Condition** Overcast in the AM to Sunny in the PMWorking Day ☐ If no, explain:**Diary:**

Dispute

Work description.

- Continued to analyze and compile a report for the surveys done while the ROOT pass weld was in progress for OBG splice joints 4W/5W and 5W/6W.
- Began to process and analyze the grouting operations done on the WB continuity tendons today.

☐**04-0120F4 Bid Item: 034 X-W2C-BCT.034 E-W Line Cross Over W2 Cap Cap Beam Continuity Tendons**

SCHWAGER DAVIS INC.

Labor

Trade	Class	Name	RT Hrs	OT Hrs	DT Hrs	Total	Remarks	Dispute
Contractor: SCHWAGER DAVIS INC.								
Ironworker	JNM	Brian Nobile	0.00	0.00	0.00	0.00		<input type="checkbox"/>
Ironworker	FOR	Erin Jones	0.00	0.00	0.00	0.00		<input type="checkbox"/>
Ironworker	JNM	James Carriker	0.00	0.00	0.00	0.00		<input type="checkbox"/>
Ironworker	JNM	James Bond	0.00	0.00	0.00	0.00		<input type="checkbox"/>
Ironworker	JNM	Bounthaby Singharath	0.00	0.00	0.00	0.00		<input type="checkbox"/>
Ironworker	GEN	Ralph Craig	0.00	0.00	0.00	0.00		<input type="checkbox"/>

Diary:

Dispute

Work description. 034 X-W2C-BCT.034

The following observations were taken during the grouting operation of the W1B to W42B, W43, and W44 continuity tendons today:

☐

The grouting operation began at 6:55am with an ambient temperature of 54F. Sika grout 300 PT was used today as in previous grouting operations for the W2 and E2 cap beams. The initial temperature of the grout was 80F, the efflux time was measured at 19 seconds, and the specific gravity (S.G) of the grout was 2.17 (135.4pcf) using the mud balance scale. The specific gravity relates to the water/cement ratio and determines the compressive strength of the grout. Smith Emery technician Sal took made grout cubes for 7, 28, and 56 days and assisted/observed the first set of tests on the fluid grout.

Grouting started at continuity tendon W43 with a pumping pressure of no greater than 20psi prior to charging the tendon to approximately 50psi at which time the inlet and outlet valves were closed. On average it took 4-5 minutes to grout a continuity tendon using approximately 11bags of grout with 15 gallons of water.

The grout temperature at 9:58am was up to 91F in the grout mixer using a thermometer. The SDI ironworkers were cautioned about grout temperatures exceeding 90F. The grouting operation was



Daily Diary Report by Bid Item

Job Name: 04-0120F4

Inspector Name: Bruce, Matt

Diary #: 098

Date: 20-Jul-2010

Tuesday

completed at 11:04am with no interruptions or noticeable problems during the operation. To my knowledge no leaking inside the OBG was observed. Overall the grout appeared to look acceptable and was mixed consistently.

- Completed installing permanent and temporary grout caps for the W-Line continuity tendons.
- Mobilized additional grout pallets on top of the W2 cap beam.

The following is the list of equipment that SDI has onsite since it is not currently inputted into PMIV:

Stressing Rams: 6-8-0014, 6-8-134, 6-8-141, and CH600-8-109

Hydraulic Pumps for Monostrand Rams: 3 units with no designated numbers on the equipment

Hydraulic Pumps for Multistrand Rams: 1 unit with no designated numbers on the equipment

Hydraulic Pump for Pushing Strand: HPU-D-110-3K-02

Strand Pusher: No number designated on the equipment

Grout Pump: No number designated on the equipment

Plasma Cutter (Hypertherm Powermax 1000G3 Series): No number designated on the equipment

Water Tank: ABF without any number designated on the equipment

- Refer to other Caltrans inspectors diaries for ABF and subcontractors (Conco and CMC-RS) operations and equipment at the W2 cap beam.

Attachment



SDI ironworkers grouting a WB continuity tendon from the west end of the W2 cap beam.



Grouting operation setup for the W-Line continuity tendons.



A pallet of grout with a date of 07/15/10 on the bags.